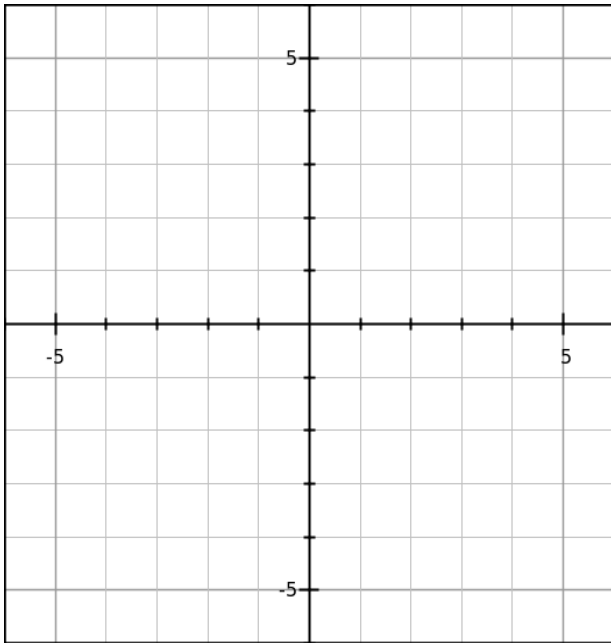
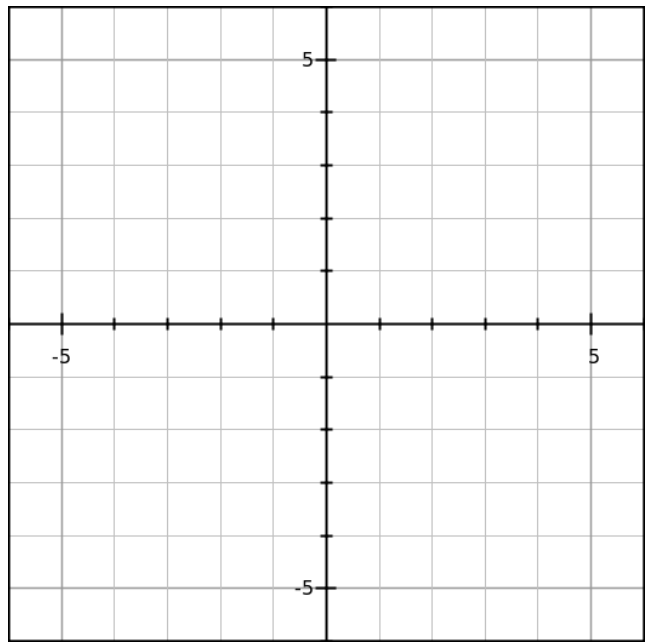


Solve by graphing



$$\begin{aligned}3x + 2y &= 4 \\ -x + 3y &= -5\end{aligned}$$



$$\begin{aligned}x + y &= -2 \\ 2x - 3y &= -9\end{aligned}$$



7.2 Solving Linear Systems with Substitution DAY 1

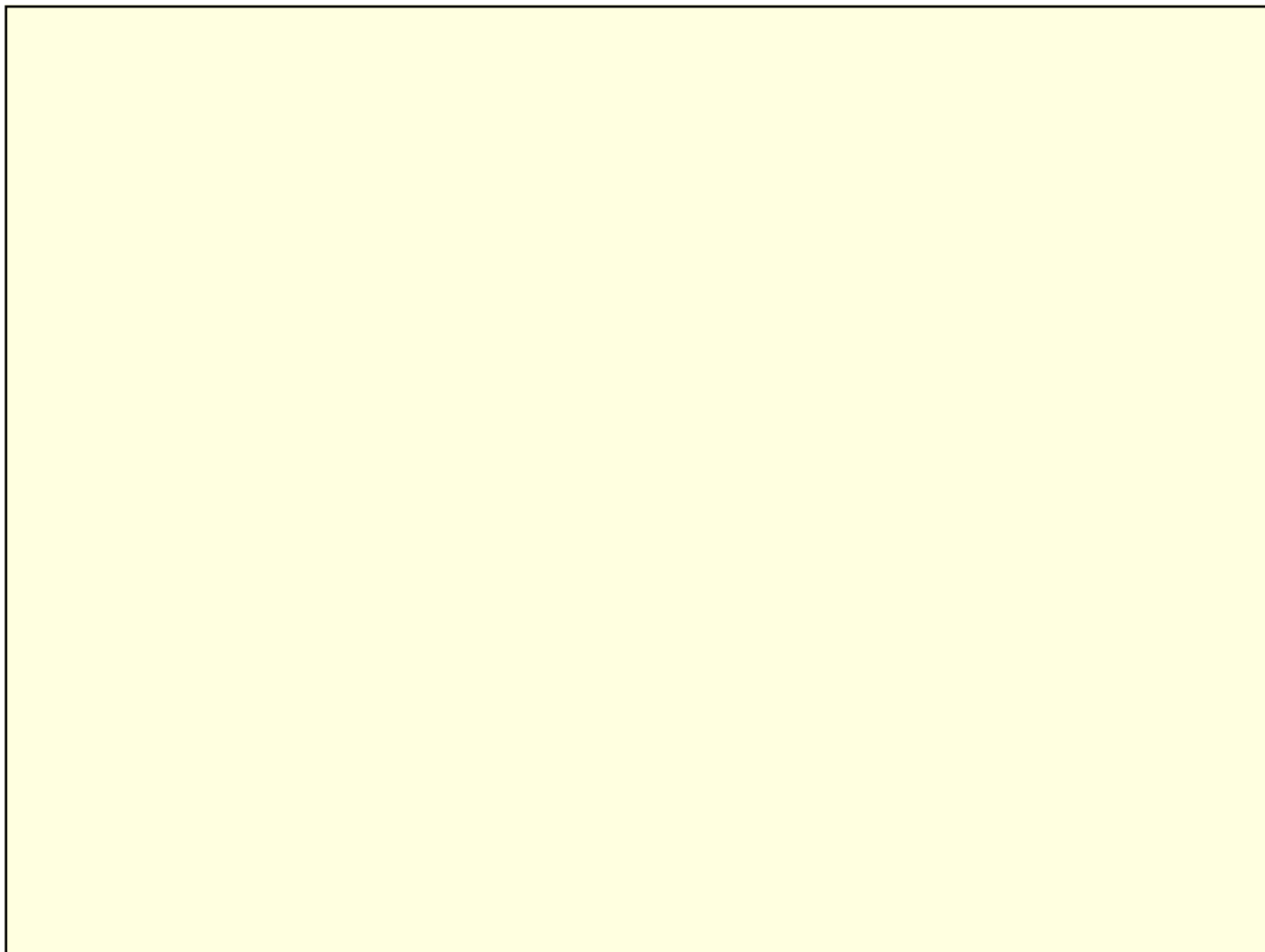
STEP 1

STEP 2

STEP 3

STEP 4

STEP 5



Solve with substitution and check!

**1. $y = 6x - 11$
 $-2x - 3y = -7$**



Solve with substitution and check!

$$\begin{aligned} 2. \quad y &= -2 \\ 4x - 3y &= 18 \end{aligned}$$



Solve with substitution and check!

**3. $-7x - 2y = -13$
 $x - 2y = 11$**

(3, -4)

Solve with substitution and check!

**4. $2x + y = 20$
 $6x - 5y = 12$**



Homework:

★ WARM UP ★

★ 1. Solve by graphing ★

$$y = 3x - 4$$

$$y + 3x = 2$$

★ 2. Solve with substitution ★

$$2x + y = 20$$

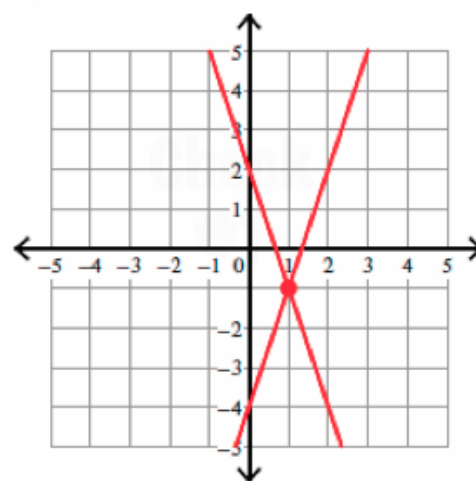
$$6x - 5y = 12$$

$$y = +2x + 20$$

$$6x + -5(-2x + 20) = 12$$

$$6x + 10x + -100 = 12$$

1) $y = 3x - 4$
 $y = -3x + 2$



(1, -1)

(7, 6)

Solve with substitution

$$\begin{aligned} 1. \quad 2x + 6y &= 15 \\ x &= 2y \end{aligned}$$

(3, 1.5)